



Hunters Point Radiological Program Update

Hunters Point Naval Shipyard
BCT Meeting
July 25, 2013



Overview



Radiological Project Work Overview

- Current Project Map
- SS/SD Removal and Building Survey Update
 - Parcel C
 - Building 253 and 211
 - Parcel E
 - Building 518 Sand
 - Parcel D-1











2013 Radiological Projects



LEGEND

PROJECT AREAS

-  IMPACTED BUILDINGS OR SITES
-  SHAW (CB&I) D1
-  TES BIN STORAGE
-  TTEC PARCEL C PHASE II, BUILDING 211/253, PARCEL E 500 SERIES
-  CIJV IR-03
-  ITS-GIBANE PARCEL D-1
-  ITS-GIBANE PARCEL E-2
-  RSY PADS



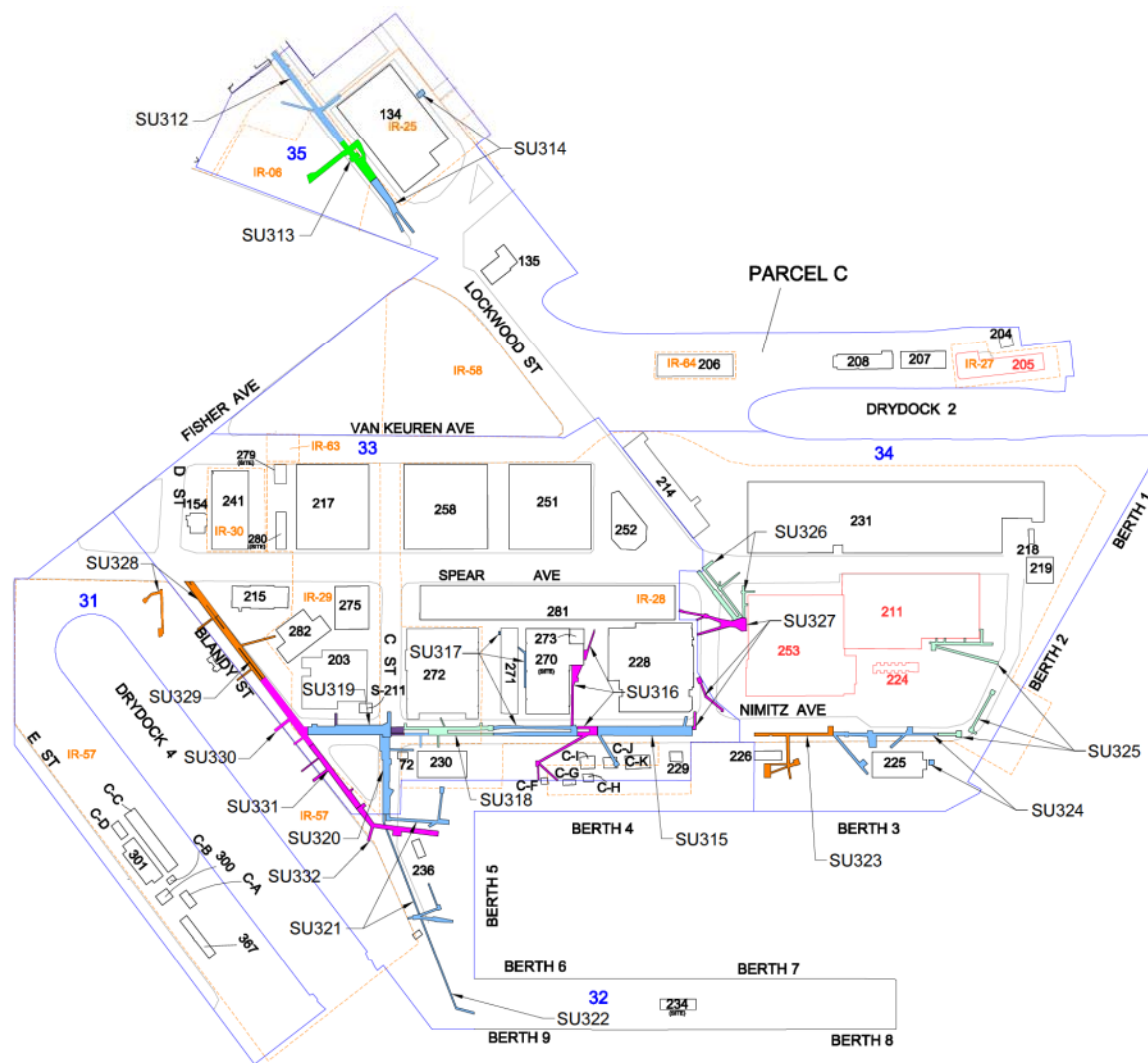
Parcel C - Phase II SS/SD Removals & Ship Berth Surveys



- Parcel C SS/SD line removal
 - Phase II – 12,117 of 14,300 linear feet of SS/SD lines (85%) and 25,995 cubic yards have been excavated
- Ship Berths:
 - Collected FSS samples at Survey Units 4 through 13 (all Survey Units have been sampled)
 - Conducting characterization sampling and remediation in 7 Survey Units
 - Ra-226 in 3 SUs. Max concentration is 1.765 pCi/g
 - Cs-137 in 6 Sus. Max concentration is 0.4069 pCi/g
 - 1 device found in SU 4. Ra-226 at 170 pCi/g



Parcel C Phase II Excavated Trench Units



LEGEND

SU 191 - SURVEY UNIT (SU)

34 - WORK AREA BOUNDARY AND NUMBER

IR-27 - IR BOUNDARY AND NUMBER

140 - IMPACTED BUILDING BUILDING NUMBER

142 - IMPACTED BUILDING FORMER BUILDING LOCATION

128 - NON-IMPACTED BUILDING BUILDING NUMBER

ACTIVE TRENCH UNITS (QTY = 5)

TRENCH UNITS THAT HAVE PASSED SCREENING SAMPLING BUT WAITING FOR DEFINITIVE DATA (QTY = 3)

TRENCH UNITS THAT HAVE PASSED DEFINITIVE DATA BUT WAITING FOR BACKFILL APPROVAL (QTY = 3)

TRENCH UNITS THAT HAVE PASSED DEFINITIVE DATA; TRENCH UNITS TRANSFERRED TO CBI (QTY = 1)

APPROVED FOR BACKFILL (QTY = 0)

BACKFILLED/PAVED (QTY = 9)

CURRENTLY BACKFILLING/SITE RESTORATION (QTY = 0)

PORTION OF TRENCH UNIT LEFT OPEN FOR FUTURE TRANSFER TO CBI



Field Activities in Parcel C Phase II



Preparation of FSS sample collection at TU 330



Collection of FSS samples from TU 330



Backfilling and restoration of TU 319



FSS sample collection at SU 6 on Berth 3



Radiological Survey of Buildings 253 and 211



- Activities being performed:
 - Continued removal of trash & debris from work areas
 - Began the scanning, sampling, and removal of ventilation system
 - 1,000 feet removed (6,525 feet to be removed total)
 - Began asbestos abatement in both buildings
 - Abatement activities only for worker health and safety during vent removal and FSS surveys



Field Activities in Buildings 253 and 211



Loading hopper at 3rd floor access point



Filled hopper being emptied into a bin on the ground floor



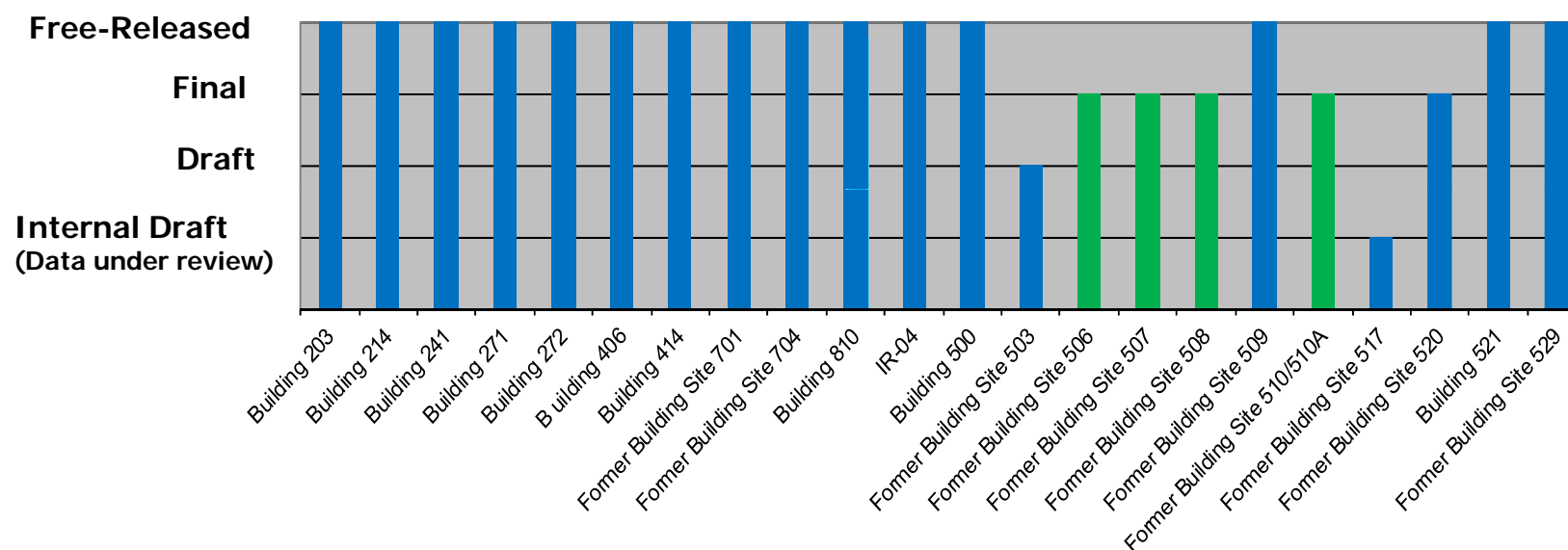
Lowering section of ventilation ducting



Ductwork staged for scanning and sampling



Parcel C & E Buildings/Sites FSS Report Status



Waiting for concurrence for
Free-Release determination





Remaining Parcel C & E Buildings/Sites Status



- Parcel C
 - Revise North Pier FSS Report to include alpha surveys on metal bollards
- Parcel E
 - 500 Series Area Site – Drafting Internal Draft FSS
 - Former Shacks 79/80 Site – Awaiting definitive data for one Cs-137 remediation at one Survey Unit



Parcel E – Building 518 Sand Disposition



- Sand with elevated activity discovered in the former Base Theater - Building 518
- Investigation / Results:
 - Per HRA, not an impacted area
 - Research and alpha spectroscopy analysis indicated material from Colma Formation and is NORM
 - Collected and analyzed sample of native Colma Formation material (Fort Funston); radiological signature similar



Note the color of the sand compared to the SS trench material which has been approved for backfill

- Recommendation:
 - Reuse the material as a base material for surface land capping of areas at HPNS
 - Dispose as non-LLRW



Parcel D-1 Phase I & II



- Phase I
 - Gun Mole Pier
 - Additional field work to perform Strontium-90 remediation commenced July 24. Sample results anticipated August 30. FSS report to be issued Draft in early September 2013
 - Phase I RACR
 - Draft anticipated early September 2013, following completion of Gun Mole Pier field work and FSS report
 - Confirmation samples
 - 3 FSS reports awaiting CDPH RURR letter (383, 313/313A/322, and South Pier). Confirmation samples submitted.
- Phase II
 - Final Execution Plan and Basewide Radiological Management Plan to be issued July 29
 - Mobilization scheduled for August 5



Comments, Questions, Concerns ???